

2011 UTAH RENEWABLE ENERGY REBATE RESERVATION APPLICATION

OFFICE OF ENERGY DEVELOPMENT

APPLICANT INFORMATION

Submit completed application as a single PDF file via email to:
UTREBATE@UTAH.GOV

Name/Business: _____

Mailing Address: _____

Address of energy system (if different than mailing address): _____

City, State, Zip: _____

Phone: _____

E-mail: _____

Is the property over 50 years old OR within or adjacent to a designated historic building or preservation district? ____Yes ____No

ALL applications will be subject to review and approval by the Utah State Historic Preservation Office (see National Historical Preservation Act following)

REBATE WORKSHEET

Technology	System Capacity	Rebate Rate	Rate x Capacity (\$)	Total Eligible Rebate (\$)
Solar Photovoltaic				
Residential		Lesser of \$1.50/Watt DC or 25% of eligible costs,* \$4,500 maximum		
Commercial/Nonprofit		Rebate will be based on energy savings over 20 years. Estimated value will be the lesser of \$1.50/Watt DC or 25% of eligible costs,* \$25,000 maximum		
Solar Thermal				
Residential		Lesser of \$40/ft ² SRCC net aperture or 25% of eligible costs,* \$2,500 maximum		
Commercial/Nonprofit		Rebate will be based on energy savings over 20 years. Estimated value will be the lesser of \$40/ft ² SRCC or 25% of eligible costs,* \$10,000 maximum		
Wind				
Residential		Lesser of: \$1.00/Watt AC or 25% of eligible costs,* \$2,500 maximum		
Commercial/Nonprofit		Rebate will be based on energy savings over 20 years. Estimated value will be the lesser of \$1.00/Watt AC or 25% of eligible costs,* \$2,500 maximum		
* See Eligible Costs Worksheet				

INSTALLER/CONTRACTOR INFORMATION

Contractors must possess a current professional license	Solar PV	S200, S202, or certified by the North American Board of Certified Energy Professionals (NABCEP)
	Solar Thermal	S210, S215 or certified by the NABCEP
	Wind	S200

Installer Name: _____

Utah Professional License #: _____

Mailing Address: _____

Expiration Date: _____

City, State, Zip: _____

License Type (ex. S-202): _____

Phone: _____

NABCEP certified: ____Yes ____No

Email: _____

NABCEP#: _____

2011 UTAH RENEWABLE ENERGY REBATE SYSTEM DESCRIPTION FORM

APPLICANT INFORMATION

Name: _____ Phone: _____ Email: _____

SYSTEM DESCRIPTION

SOLAR PHOTOVOLTAIC

Solar Photovoltaic Modules

Manufacturer: _____
Module Model #: _____
Warranty/years: _____
GoSolar CA listed (Required): __Y__N
Module Capacity: _____
Number of modules: _____
Total PV system capacity: _____

Inverter(s)

Manufacturer: _____
Inverter Model #: _____
Warranty/years: _____
GoSolar CA listed (Required): __Y__N
Power rating, VA: _____
Number of inverters: _____

Orientation

Tracking: (circle one)
Fixed Single Dual
Tilt deg: _____
Azimuth deg: _____

Provide a brief description of the system:

SOLAR THERMAL

Solar Thermal Collectors

Manufacturer: _____
Model #: _____
Warranty/years: _____
SRCC OG-100 # (Required): _____
Panel **net** aperture area: _____
Total **net** aperture area: _____
Type: (circle one) Glazed Flat Plate or Evacuated Tube

Storage Tank

Manufacturer: _____
Model #: _____
Warranty/years: _____

Orientation

Tilt deg: _____
Azimuth deg: _____
OG-300 #: _____
Residential systems only
(if available)

Provide a brief description of the system:

WIND ENERGY

Wind Turbine

Manufacturer: _____
Model #: _____
Warranty/years: _____
CEC approved (Required): __Y__N

Inverter

Manufacturer: _____
Model #: _____
Warranty/years: _____
CEC approved (Required): __Y__N
Power rating, VA: _____

Provide a brief description of the system:

2011 UTAH RENEWABLE ENERGY REBATE ELIGIBLE COSTS WORKSHEET

Use information from the itemized bid or contract to determine eligible costs. Eligible costs are limited to system components, installation, and design and materials expenses necessary to deliver energy for end-use and:

- ✓ are system components that would not be used for a conventional energy system fulfilling a similar role in delivering energy for end use.
- ✓ are limited to new components only.
- ✓ include installation labor and materials, and/or design when provided by a qualified installer. When the system is part of a larger project, only the costs applicable to the installation and design of the renewable energy system are eligible. These costs must be separated from the larger project.
- ✓ are limited by and will be adjusted if needed for reasonable costs limits of:
 - PV Solar - \$8.00/DC Watt
 - Solar Thermal - \$0.15/ Btu Flat Plate, \$0.27/Btu Evacuated Tube
 - Wind - \$8.00/AC Watt

Complete the section(s) for which you are submitting a rebate reservation application:

	<u>Qty</u>	<u>Price Each</u>	<u>Eligible Cost</u>
Solar Photovoltaic Systems			
Solar Photovoltaic Modules			
Inverters			
Motors (tracking arrays)			
Installation labor, permits, materials			
Total			
Solar Thermal Systems			
Solar collectors			
Thermal storage devices such as expansion and storage tanks			
Installation labor, permits, materials			
Total			
Wind Systems			
Turbines			
Inverters			
Installation labor, permits, materials			
Total			

2011 UTAH RENEWABLE ENERGY REBATE DECLARATION

I certify that:

1. The information provided in this application is true and correct to the best of my knowledge and the installation will meet all 2011 Utah Renewable Energy Rebate Program requirements.
2. I agree to provide the Office of Energy Development (OED) access to the proposed renewable energy system for the purpose of conducting a site audit to verify compliance with the rebate program rules.
3. I understand and accept the Terms and Conditions applicable to the rebate program.
4. *I understand and accept that OED reserves the right to deny an application based on incompatibility with the intent of the program rules or program objectives which may not be described herein.*

Applicant Signature: _____
(original signature required)

Print Name: _____ Date: _____

Incomplete and/or unsigned applications will not be processed

Email Instructions: All applications and correspondence regarding the 2011 Utah Renewable Energy Rebate Program are to be sent in PDF format to **UTREBATE@UTAH.GOV**. The email address will not accept emails prior to 8 am August 22, 2011. Both the applicant and applicant's contractor **must** submit an email address for notifications and communication. All communication and notifications regarding an application will be directed through email to applicant with copy to contractor.

2011 Utah Renewable Energy Rebate Reservation Application Package Checklist

PDF file is to include the following:

Included	Item	Source
	Rebate Reservation Application (4 pages)	OED
	Itemized Bid or Contract	Installation Contractor
	Solar Shading Analysis (Solar Photovoltaic applications only)	Installation Contractor
	System Schematic Diagram	Installation Contractor
	Site Diagram	Applicant or Contractor
	Three color photographs showing the south, east, and west faces of the site where the system will be installed	Applicant or Contractor

2011 UTAH RENEWABLE ENERGY REBATE INSTRUCTIONS FOR COMPLETING THE APPLICATION

Thank you for your interest in the Utah Renewable Energy Rebate Program. This document provides guidance for completing the Rebate Reservation Application. **All application documents must be dated on or after the program start date. Do not order or install any equipment before receiving a rebate confirmation notification. Please do not submit an application unless you fully intend to install a system and submit a Rebate Confirmation and Claim Form by March 1, 2012.** (see Terms and Conditions)

Application Process Overview:

1. Contact a properly licensed contractor and obtain an itemized bid or contract.
2. Complete and submit the Rebate Reservation Application package by email in PDF format. Your installation contractor is an excellent resource for obtaining the technical information requested on the application.
3. OED will review the application for completeness, and if necessary, submit the project to the State Historic Preservation Office (SHPO) for review.
4. Applications approved by OED and (if required) SHPO will receive a **Rebate Confirmation and Claim Form** by email. Applicants will be notified by email if their application is not approved.
5. Complete the project and submit a completed **Rebate Confirmation and Claim Form** by email in PDF format no later than **March 1, 2012**.

*****Extensions or exceptions will not be granted*****

Program Requirements:

Complete Rebate Reservation Package	All supporting documentation must be provided
Eligible installation contractor	Contractors must hold current licenses issued by the Utah Division of Occupational and Professional Licensing
Eligible system configuration	System design and installation must be compliant with the Renewable Energy Rebate Program rules
Agreement to Terms and Conditions	See Terms and Conditions accompanying this application
Number of rebates allowed	Residential: One rebate per technology, two rebates maximum per property, with total rebates of \$5,000 Commercial: One rebate per technology, two rebates maximum per organization, with total rebates of \$30,000
Compliance with Section 106 of the National Historic Preservation Act of 1966	See below

National Historic Preservation Act

Section 106 of the National Historic Preservation Act of 1966 requires OED to provide the State Historic Preservation Office (SHPO) the opportunity to comment on ALL projects funded through this rebate program. To comply with the Section 106 process, OED will provide determinations of eligibility and effect for each rebate reservation application to SHPO. SHPO will review the OED determinations and either accept or reject them. If the project is subject to a detailed eligibility and effect review by SHPO, additional information describing the property will be required from the applicant. Once the SHPO review is complete, OED will complete the review process and inform the applicant of the status of the application. Applicants can review the SHPO process by visiting the State Historic Preservation website:

http://history.utah.gov/state_historic_preservation_office/index.html

Completion Instructions for Rebate Reservation Application Package

- 1. Rebate Reservation Application:** All fields in the 4-page Rebate Reservation Application must be completed, and the application submitted with signatures in PDF format to UTREBATE@UTAH.GOV
- 2. Itemized Bid/Contract:** The itemized bid or contract must provide the following information:
 - Name and address of the applicant, and address where the system will be installed
 - Name, address, and signature of the installation contractor
 - Itemized price for major system components and installation (see Eligible Costs Worksheet)
- 3. Solar Shading Analysis (Solar Photovoltaic Applications Only):** Your installation contractor must provide a shading analysis report. The report must demonstrate that the project location is free of shade at least 66% of the total daylight hours each day. The report may be the product of Solar Pathfinder, SunEye, or a similar analysis tool.
- 4. System Schematic Diagram:** The system diagram should be detailed enough to enable OED staff to distinguish all major system components and understand how the system operates.
- 5. Site Diagram (including site address):** The site diagram may be printed using an aerial photo mapping program such as Google Maps (50-meter resolution or finer detail). A well-drawn diagram in proper scale of the property is also acceptable. The diagram must show the orientation of the site to true north, streets and alleys, and the location where the renewable energy system will be installed.
- 6. Photographs:** Three street-level color photographs of the structure or site where the system will be installed must be provided. The photographs must show the south, east, and west faces of the structure or site where the system will be installed.

2011 UTAH RENEWABLE ENERGY REBATE TERMS AND CONDITIONS

1. **Eligibility:** Residents of Utah, businesses, local and state governments, public schools and school districts, and 501(c)3 nonprofit organizations incorporated in Utah are eligible to apply for a Utah Renewable Energy Rebate. All systems must be installed by a contractor licensed by the Utah Division of Occupational and Professional Licensing. Applicants may apply for one rebate per type of renewable energy technology, but will be limited to a maximum of two rebates per property, with a combined total rebate of \$5,000 for residential, and \$30,000 for commercial.
2. **Location:** The system must be installed on property owned by the eligible applicant, and the property must be located in Utah.
3. **Approval:** Rebate Reservation Applications will not be regarded as received until complete, and must be approved by the Office of Energy Development (OED) *before* any equipment is ordered, purchased, or installed.
4. **Incentive Levels:**

	Applicant Type	Incentive Rate	Maximum Rebate	Minimum Capacity	Maximum Capacity
Solar PV	Residential	Lesser of \$1.50/Watt DC or 25% of eligible costs	\$4,500	900 W	10 kW
	Commercial / Nonprofit	Rebate will be based on energy savings over 20 years. Estimated value is the lesser of \$1.50/Watt DC or 25% of eligible costs, \$25,000 maximum.		5 kW	25 kW
Solar Thermal	Residential	Lesser of \$40/ft ² net aperture (SRCC) or 25% of eligible costs	\$2,500	None	None
	Commercial / Nonprofit	Rebate will be based on energy savings over 20 years. Estimated value is the lesser of \$40/ ft ² (SRCC) or 25% of eligible costs, \$10,000 maximum.		None	None
Wind	Residential	Lesser of \$1.00/Watt AC or 25% of eligible costs	\$2,500	1kW	5kW
	Commercial / Nonprofit	Rebate will be based on energy savings over 20 years. Estimated value is the lesser of \$1.00/Watt AC or 25% of eligible costs, \$2,500 maximum.		1kW	5kW

Clarification about Commercial Rebate Calculation:

The rebate for commercial systems will be based on calculated energy savings over a 20-year project lifespan. The formulas will be determined by the Office of Energy Development using energy production information from the National Renewable Energy Lab and U.S Department of Energy.

5. **System Requirements:** Systems must be designed and installed to meet the Component and System Compliance Guide requirements described in this application.
6. **Eligible Cost Limits:** Eligible costs will be limited to the following Reasonable Cost Limits (see Eligible Costs Worksheet):
 - PV Solar - \$8.00/DC Watt
 - Solar Thermal - \$0.15/ Btu Flat, \$0.27/Btu Evacuated Tube
 - Wind - \$8.00/AC Watt
7. **New Installations Only:** Only new system installations are eligible for a rebate. Expansions of existing systems are ineligible.

8. **Grid Interconnection/Net Metering:** Solar photovoltaic and wind energy systems must provide an interconnection or net metering agreement signed by the local power utility.
9. **Primary Residence & Commercial Property:** Only primary residences and commercial business locations with established business activity are eligible to receive a rebate.
10. **Project Deadlines:** System must be installed and **Rebate Confirmation and Claim Form** submitted by **March 1, 2012**. The renewable energy system described in the Rebate Confirmation and Claim Form shall be within plus or minus 10% of the capacity of the system proposed in the Rebate Reservation Application, and must be installed, inspected, operational, and connected to the electrical grid by **March 1, 2012**.
*****Extensions or exceptions will not be granted*****
11. **Changes:** The applicant must notify OED in writing if there are changes or deviations from the information supplied on the original application with regard to the system installer or equipment. A decrease in system capacity of more than 10% from that proposed on the Rebate Reservation Application is not allowed and will void the rebate reservation.
12. **Disclaimer:** Acceptance of this rebate does not constitute the approval, acceptance, warranty, guarantee, or endorsement by OED.
13. **Buy American:** All equipment used in conjunction with projects and/or buildings owned or used by government entities, and that are funded all or in part by the Utah Renewable Energy Rebate Program, must comply with the Buy American provision in the American Recovery and Reinvestment Act (section 1605 of Title XI).
14. **National Historic Preservation Act:** Applicants agree to accept and comply with the Section 106 process described in 36 CFR PART 800 -- PROTECTION OF HISTORIC PROPERTIES.
15. **Prohibited Uses:** None of the funds provided under the Utah Renewable Energy Rebate Program may be used by any entity for a casino or other gambling establishment, aquarium, zoo, golf course, or **swimming pool**.
16. **Additional terms:** OED reserves the right to:
 - Withhold payment of a rebate until any identified problems are resolved
 - Terminate the rebate in whole or in part for any reason
 - Alter the program at any time without notice

UTAH RENEWABLE ENERGY REBATE COMPONENT AND SYSTEM COMPLIANCE GUIDE

CATEGORY	SOLAR PV	SOLAR THERMAL	WIND
Panels	Listed as eligible under the GoSolar California Program ¹ . Warranted to deliver 80 percent of rated output after twenty years of operation	Certified and rated as OG-100 “Test Methods and Minimum Standards” by the Solar Rating and Certification Corporation (SRCC) ² , or demonstrate the system meets equivalent standards	N/A
Inverters	Listed as eligible under the GoSolar California Program ¹	N/A	Listed as eligible by the Consumer Energy Center ³
Turbines	N/A	N/A	Listed as eligible by the Consumer Energy Center ³
Systems	N/A	Systems must use OG-100 collectors ² . OG-300 certification is optional for commercial systems	N/A
Orientation	If the fixed pitch is less than 30 degrees from horizontal: 165 degrees to 270 degrees; if the fixed pitch is greater than 30 degrees: 165 degrees to 225 degrees	If the fixed pitch is less than 30 degrees from horizontal: 165 degrees to 270 degrees; if the fixed pitch is greater than 30 degrees: 165 degrees to 225 degrees	N/A
System Certification by Independent Labs	N/A	Residential: Certified and rated by the SRCC as OG-100/300 ²	N/A
Installation	Licensed electrical contractor (S-200) or a photovoltaic contractor (S-202)	Utah licensed plumbing contractor (S-210) or a solar hot water plumbing contractor (S-215)	Licensed electrical contractor (S-200)
Inspection	Professional electrician (S-200), photovoltaic contractor (S-202), or a county or municipal building inspector	Utah licensed plumbing contractor (S-210), solar hot water plumbing contractor (S-215), or a county or municipal building inspector	Professional electrician (S-200) or a county or municipal building inspector
Capacity	Residential: Min: 900 Watt; Max: 10 kW Commercial: Min: 5kW; Max: 25 kW	No Minimum or Maximum	Residential/Commercial: Min: 1 kW; Max: 5 kW
Obstructions	Panels must be free of shade at least 66% of daylight hours each day at the site	Panels must be free of shade at least 66% of daylight hours each day at the site	Tower must be located a distance at least equal to its full height from buildings, utility lines, and other private property
Component warranty	Panels must be warranted by the manufacturer to produce at least 80 percent of rated power output after 20 years of operation. Inverter must be warranted by the manufacturer against defects in material and workmanship for a period of five years	Collectors must have a minimum 5 year warranty. All major system components must have a minimum 1 year warranty	Turbine and inverter must be warranted by the manufacturer against defects in design, material, and workmanship for a period of five years
Restrictions	All systems must be grid-tied new installations	All systems must be new installations that utilize glazed flat plate or evacuated tube collectors	All systems must be grid-tied new installations

1. GoSolar California Program <http://www.gosolarcalifornia.ca.gov/equipment/index.html>
2. Solar Rating and Certification Corporation <http://www.solar-rating.org/ratings/ratings.htm>
3. Consumer Energy Center <http://www.consumerenergycenter.org/erprebate/equipment/html>